

ABSTRACT

A modular automatic spray gun manifold is provided. The manifold includes a plurality of spray gun modules arranged in an array in laterally spaced relation from each other. A junction element is arranged at an upstream end of the manifold. The junction element includes a liquid supply connection and a pressurized air connection. A first support assembly is arranged between the junction element and a first spray gun module in the spray gun module array for supporting the first spray gun module relative to the junction element. The first support assembly includes a plurality of fluid conduits for supplying fluid to the first spray gun module. The fluid conduits in the first support assembly communicate with the liquid supply and pressurized air supply connections of the junction element. A second support assembly is arranged between each adjacent pair of spray gun modules in the array of spray gun modules for supporting the adjacent pair of spray gun modules relative to each other. Each second support assembly includes a plurality of fluid conduits for communicating fluid between the adjacent spray gun modules. One or more retaining elements secure the spray gun modules, support assemblies and junction plate in assembled relation.